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(54) Title: SILVER-CONTAINING CATALYSTS FOR THE REACTION OF SUBSTRATES WITH C-C-DOUBLE BONDS

(57) Abstract: The present invention relates to a silver-containing catalyst system, which can be applied for the reaction of substrates with at least one C-C-double bond with at least one oxygen-containing or oxygen-supplying component with formation of at least one epoxide. The silver-containing catalyst according to the invention is characterized in that its activity as well as its selectivity is significantly increased with respect to the target product compared with the silver-containing catalysts of the state of the art, as a consequence of the process for the manufacture according to the invention, in which the synthesis of a silver-amine complex is carried out in absence of light and at temperatures below room temperature.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7	B01J23/50	C07D301/10	C07D303/04	B01J37/16	B01J37/02
	B01J37/08	B01J31/16	B01J31/18	B01J31/22	

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01J C07D G03C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 086 743 A (NIPPON CATALYTIC CHEM IND) 28 March 2001 (2001-03-28) paragraphs '0041! - '0046! paragraphs '0066! - '0073!; tables 1-3 claims; examples claim 11 -----	1-11
Y	US 5 801 259 A (KOWALESKI RUTH MARY) 1 September 1998 (1998-09-01) column 11, line 8 - column 12, line 3 column 15, lines 42-60 column 19, line 33 - column 24, line 23; tables 1-5 claims column 14, line 30 - column 15, line 60 -----	10
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Y	-----	10
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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A	EP 0 326 392 A (EASTMAN KODAK CO) 2 August 1989 (1989-08-02) cited in the application claims; examples	1-9,11
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